

Project Timeline

Study through Completion of Multiple Projects in the Area of I-35W and 106th St.

2016

2017

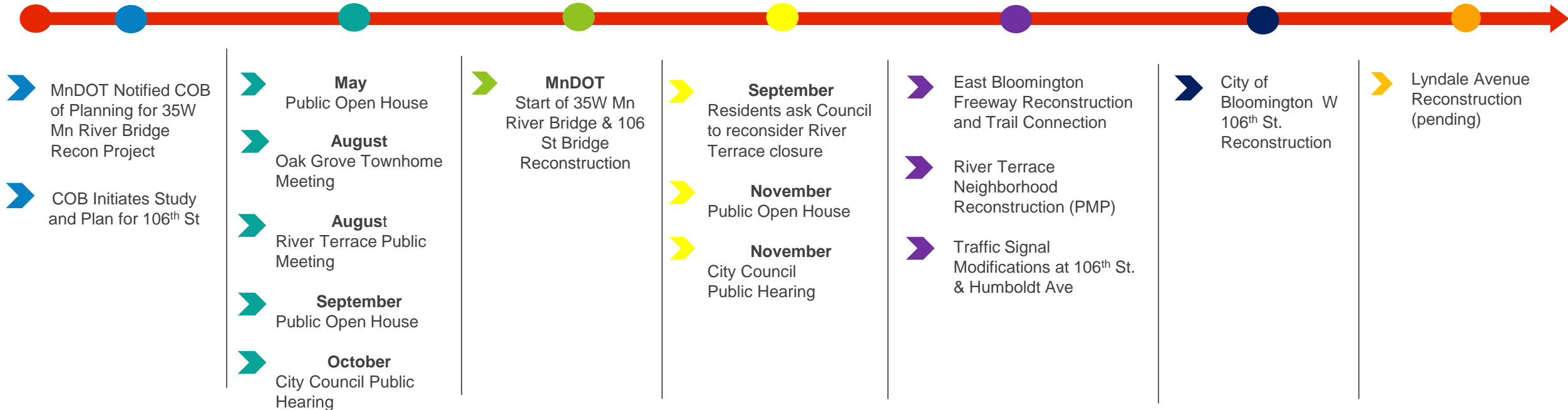
2018

2019

2020

2021

2022



Study & Project Goals



Study & Project Goals

- 1 Eliminate sight obstruction
- 2 Improve walking conditions for students and general public
- 3 Reduce Congestion
- 4 Reduce vehicle conflicts for closely spaced intersection
- 5 Prepare Intersection for future traffic signal & RT drop lane

Study & Project Goals

#1 Eliminate Sight Obstruction (new bridge) – MnDOT Project



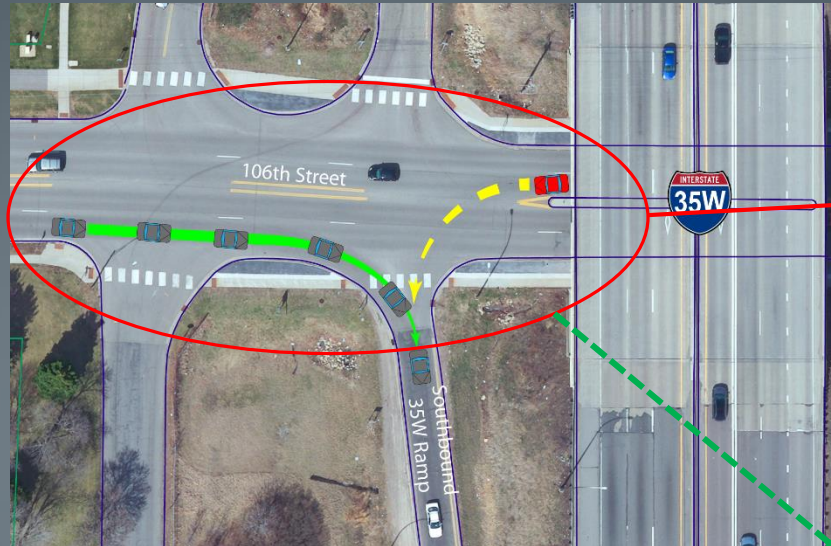
Study & Project Goals

#2 Improve Walking Conditions for Students & General Public



Study & Project Goals

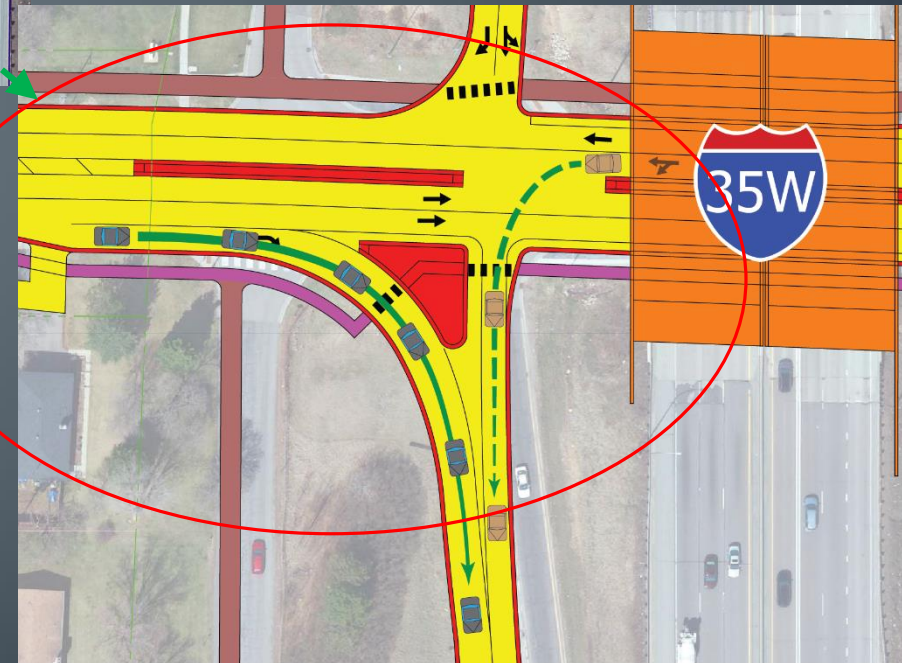
#3 Reduce Congestion – Concurrent Right and Left Turns



Existing:

Heavy southbound PM right turning volume & lack of gaps creates congestion for southbound left turns

Proposed:



Island allows for concurrent right and left turns, merging on ramp

Study & Project Goals

#4 Reduce Vehicle Conflicts for Closely Spaced Intersection

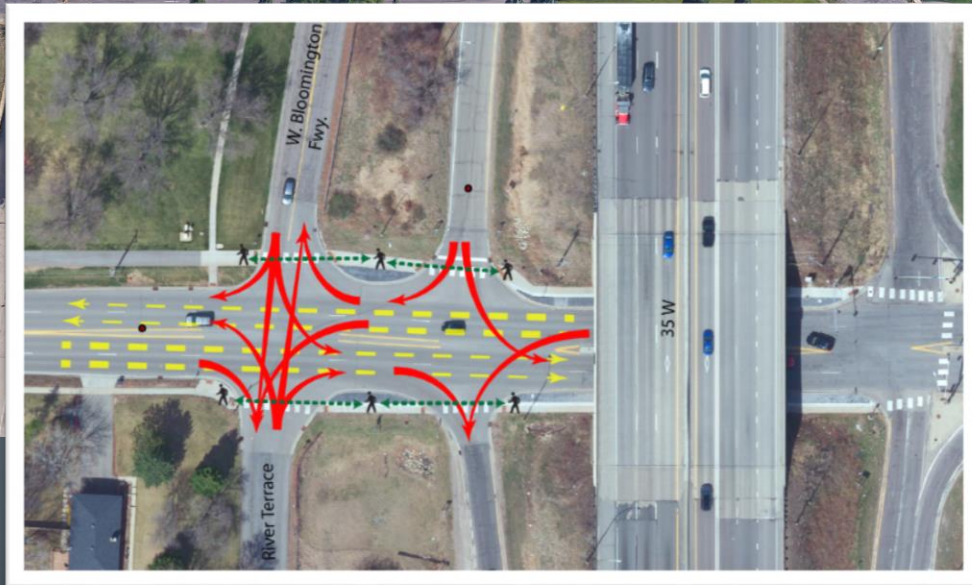
Access Restrictions

Full Closure of
W. Bloomington
Freeway



Access Restrictions

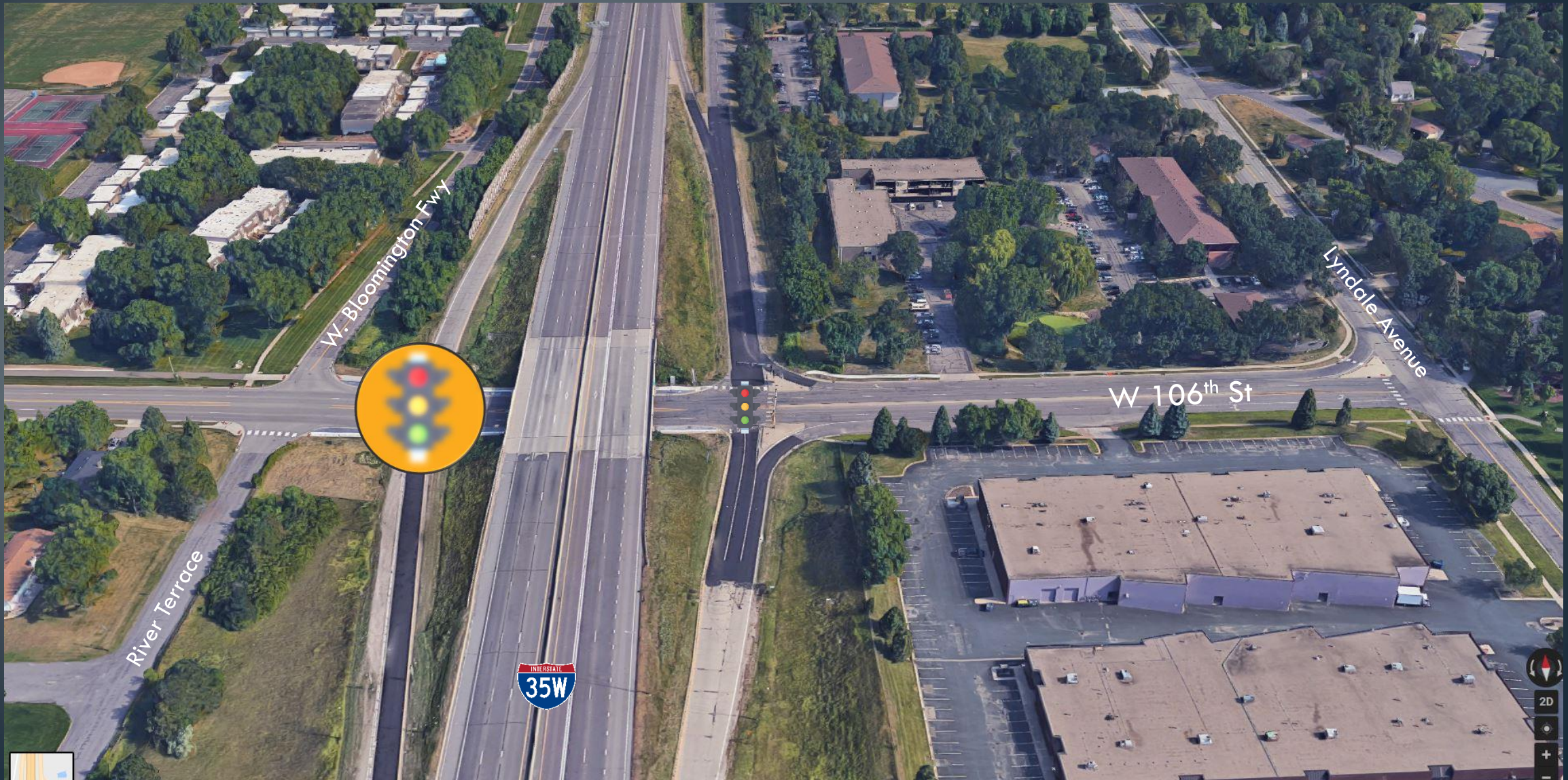
Full Closure of
River Terrace



Conflict Diagram

Study & Project Goals

#5 Prepare Intersection for Future Traffic Signal



Traffic Impacts (River Terrace)



106th Street at Humboldt - Left Turns



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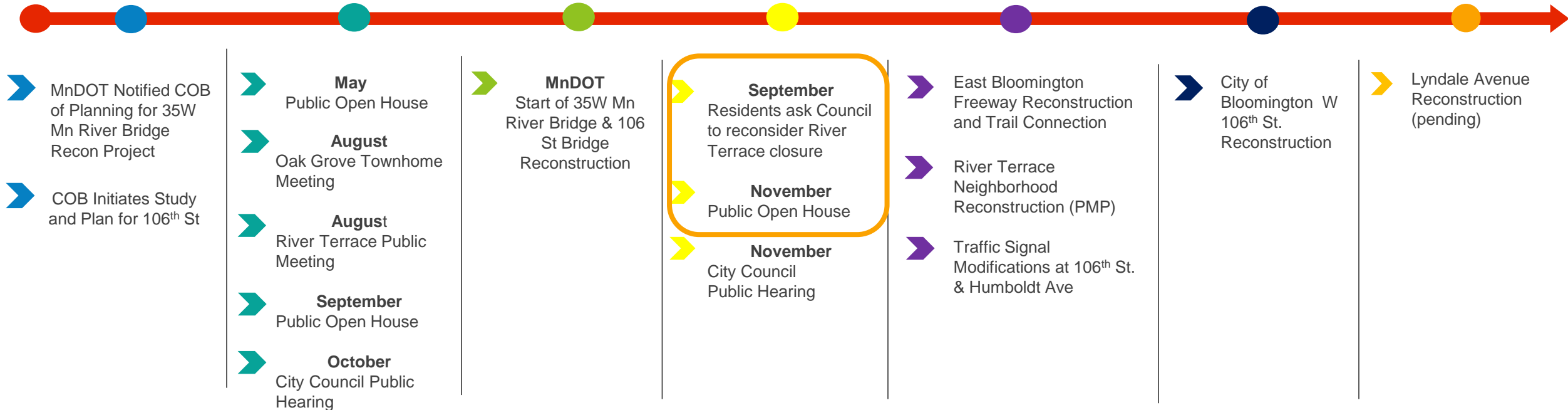
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What's Changed?



- ① New bridge (under construction) eliminates sight obstruction

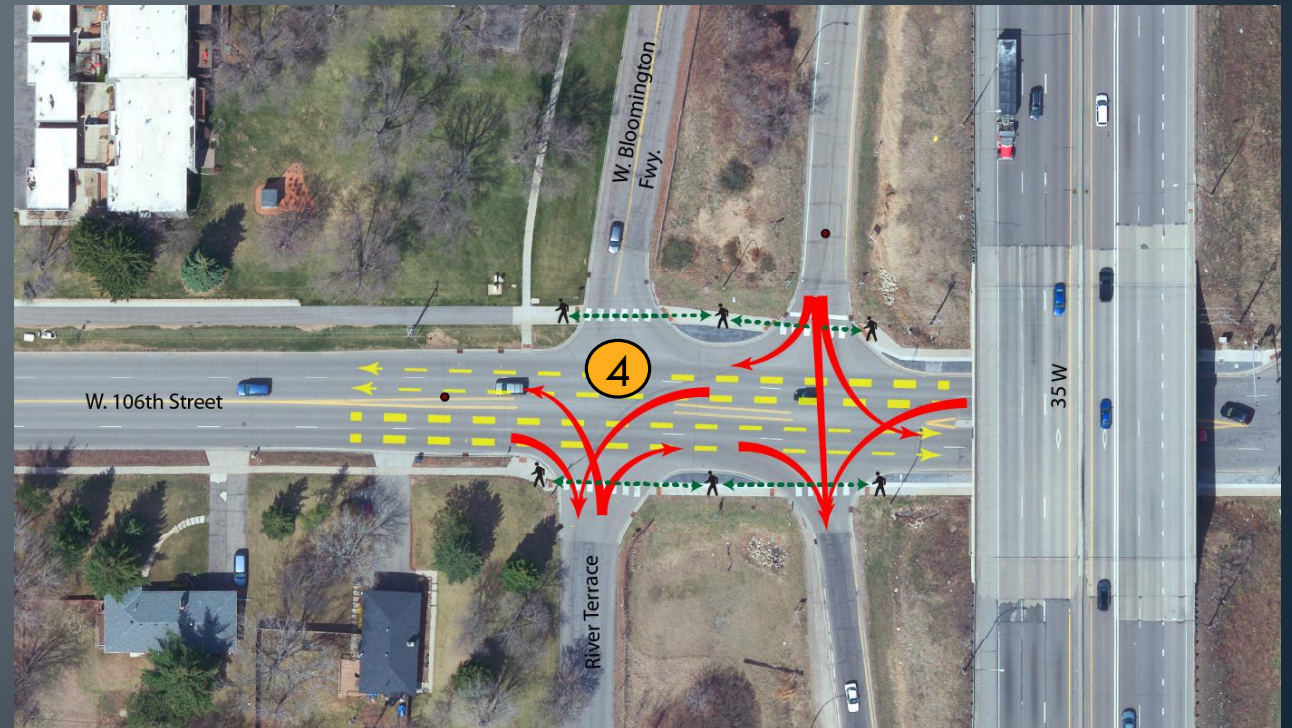


What's Changed?

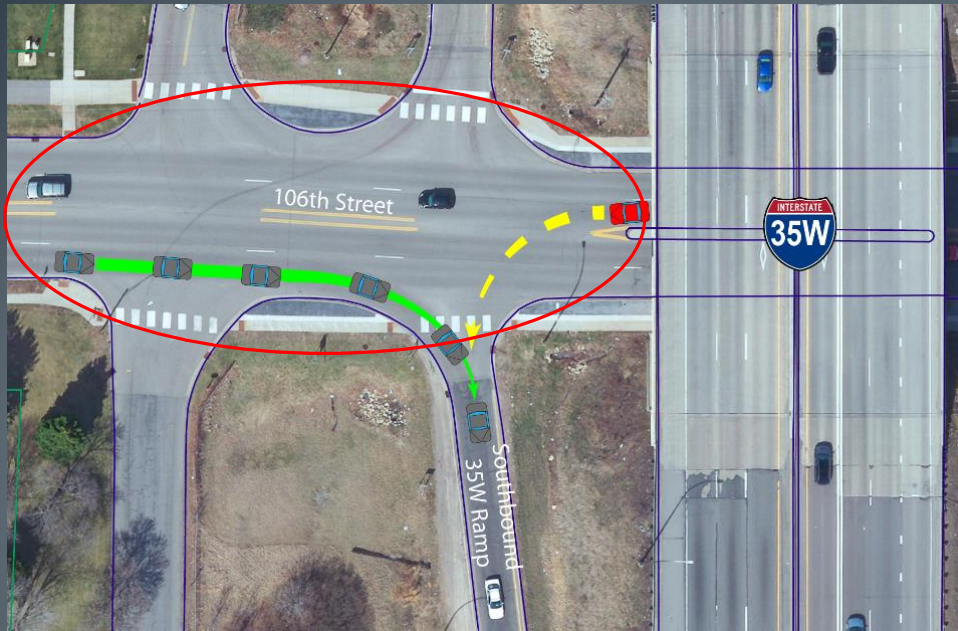


West Bloomington Freeway closure (planned):

- ② Improving conditions for pedestrians
- ④ Partially eliminating vehicle conflicts from closely spaced intersections

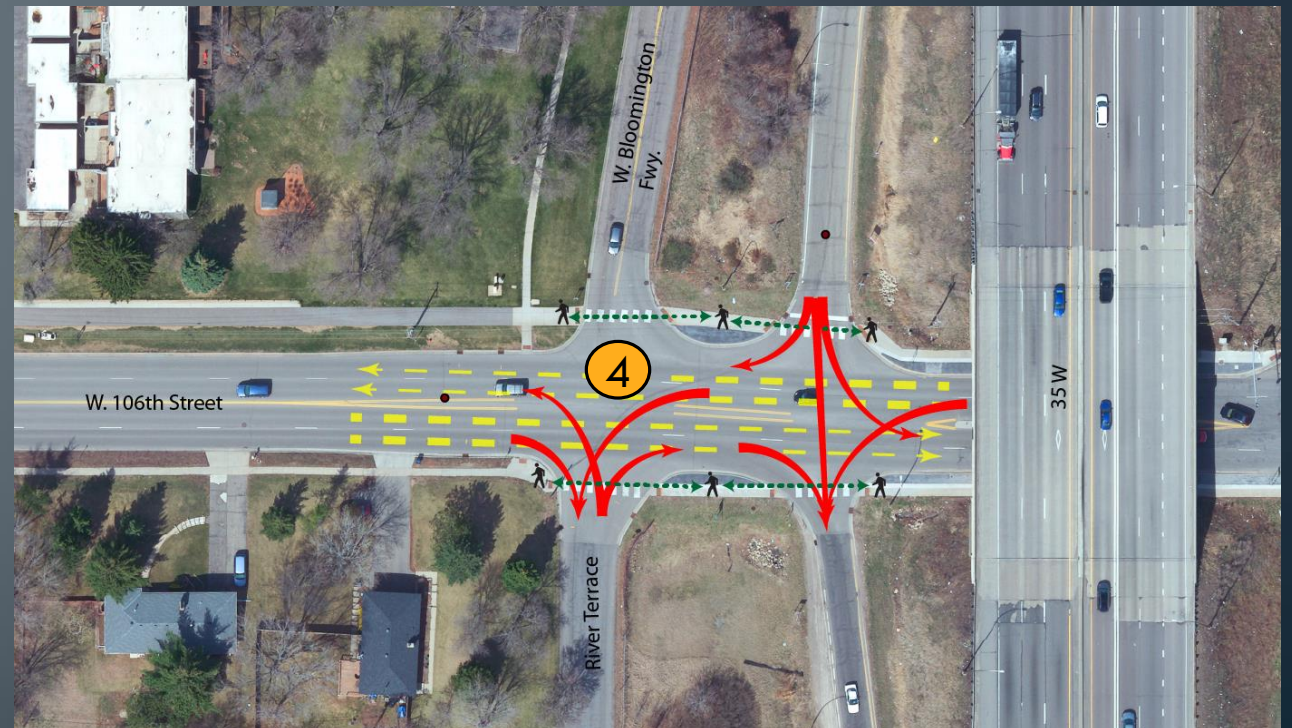


What Still Needs to be Done?



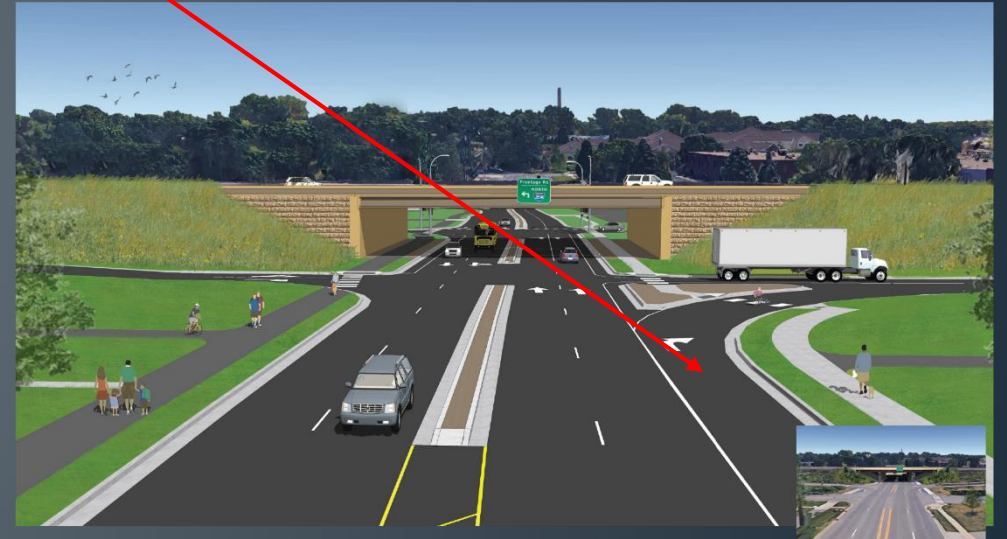
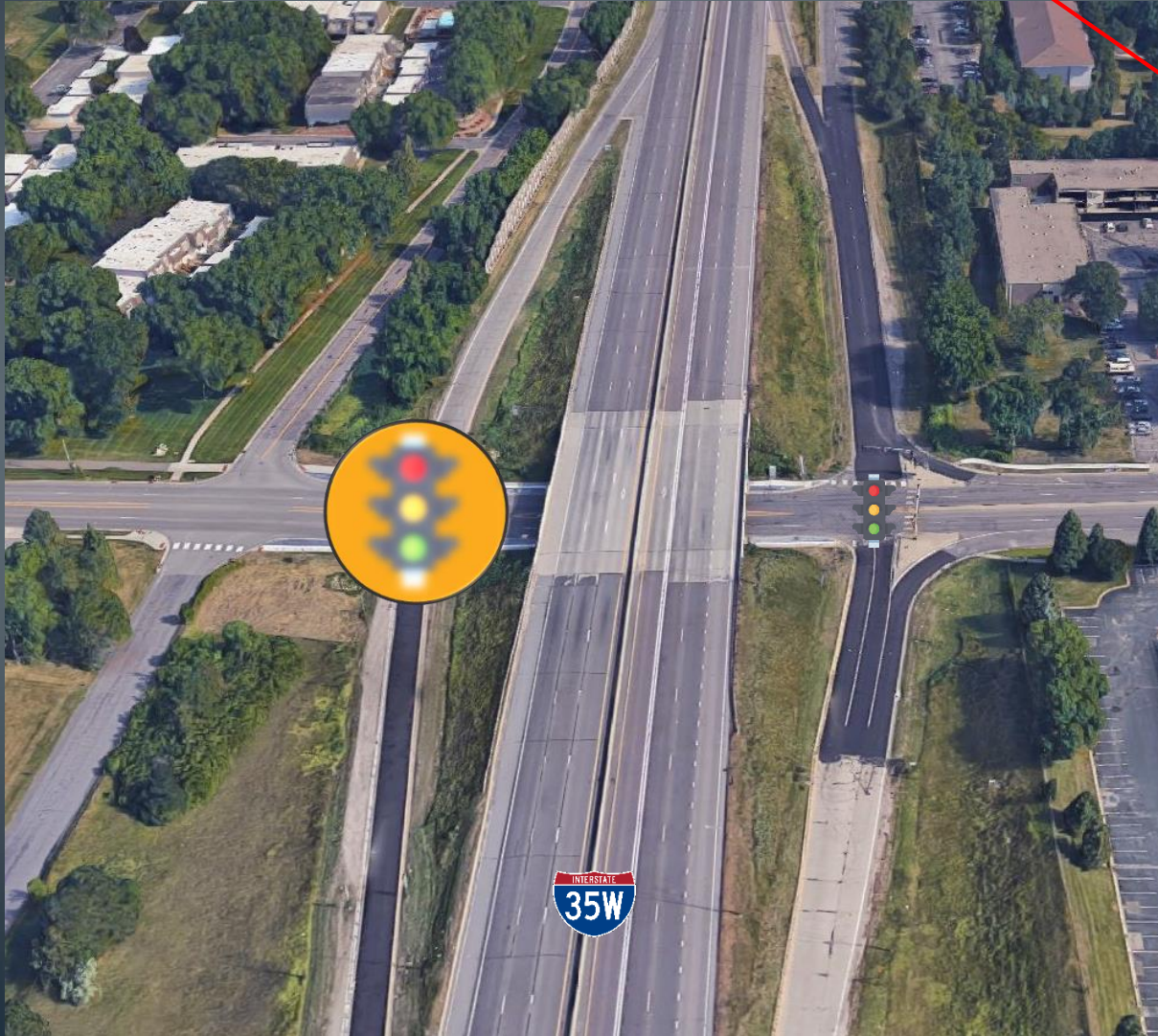
③ Reduce Congestion

④ Reduce vehicle conflicts for closely spaced intersections

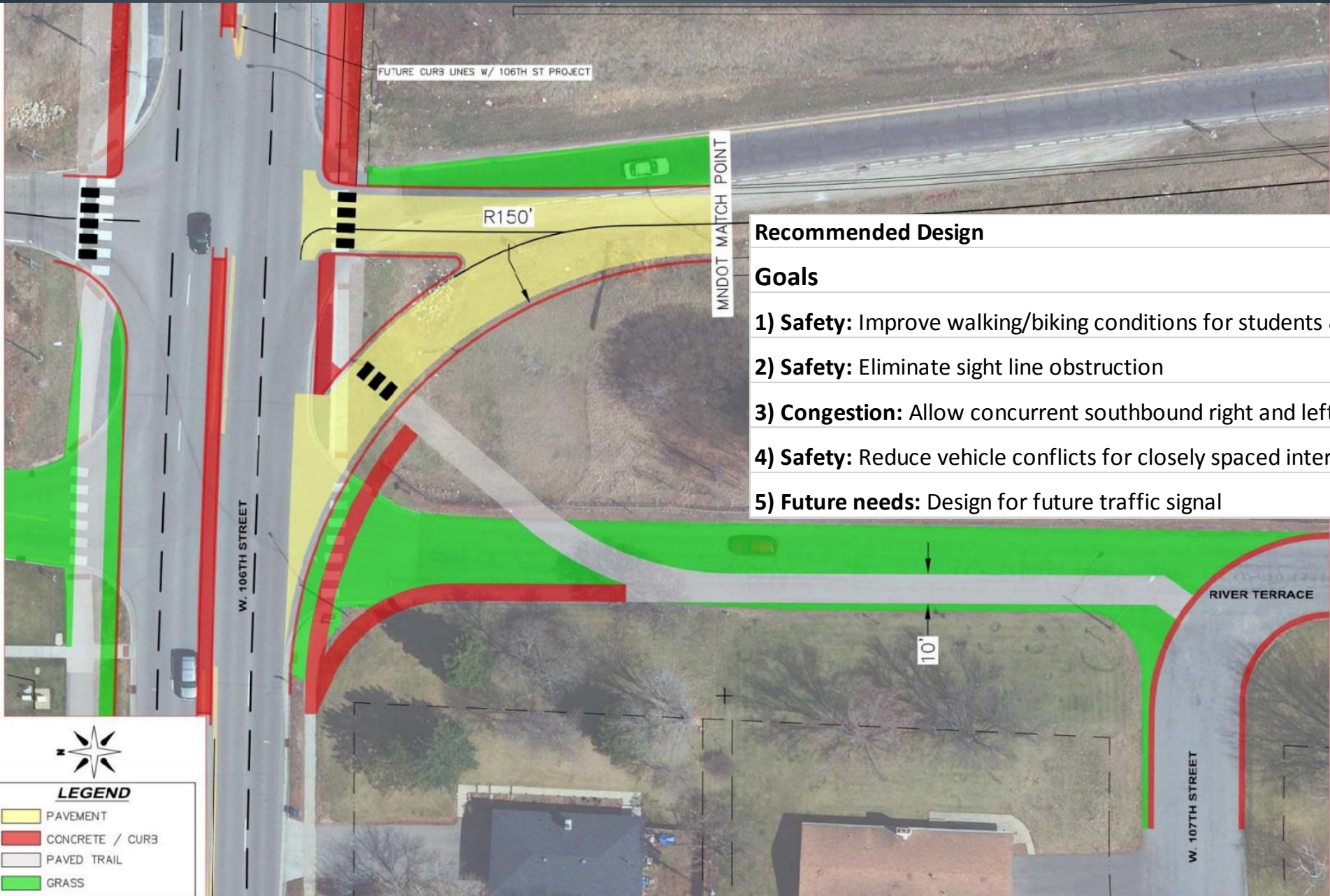


What Still Needs to be Done?

⑤ Future signal and dedicated right turn lane



Recommended Design



| Recommended Design | | |
|---|-----|----|
| Goals | Yes | No |
| 1) Safety: Improve walking/biking conditions for students & public | + | |
| 2) Safety: Eliminate sight line obstruction | + | |
| 3) Congestion: Allow concurrent southbound right and left turns | + | |
| 4) Safety: Reduce vehicle conflicts for closely spaced intersections | + | |
| 5) Future needs: Design for future traffic signal | + | |

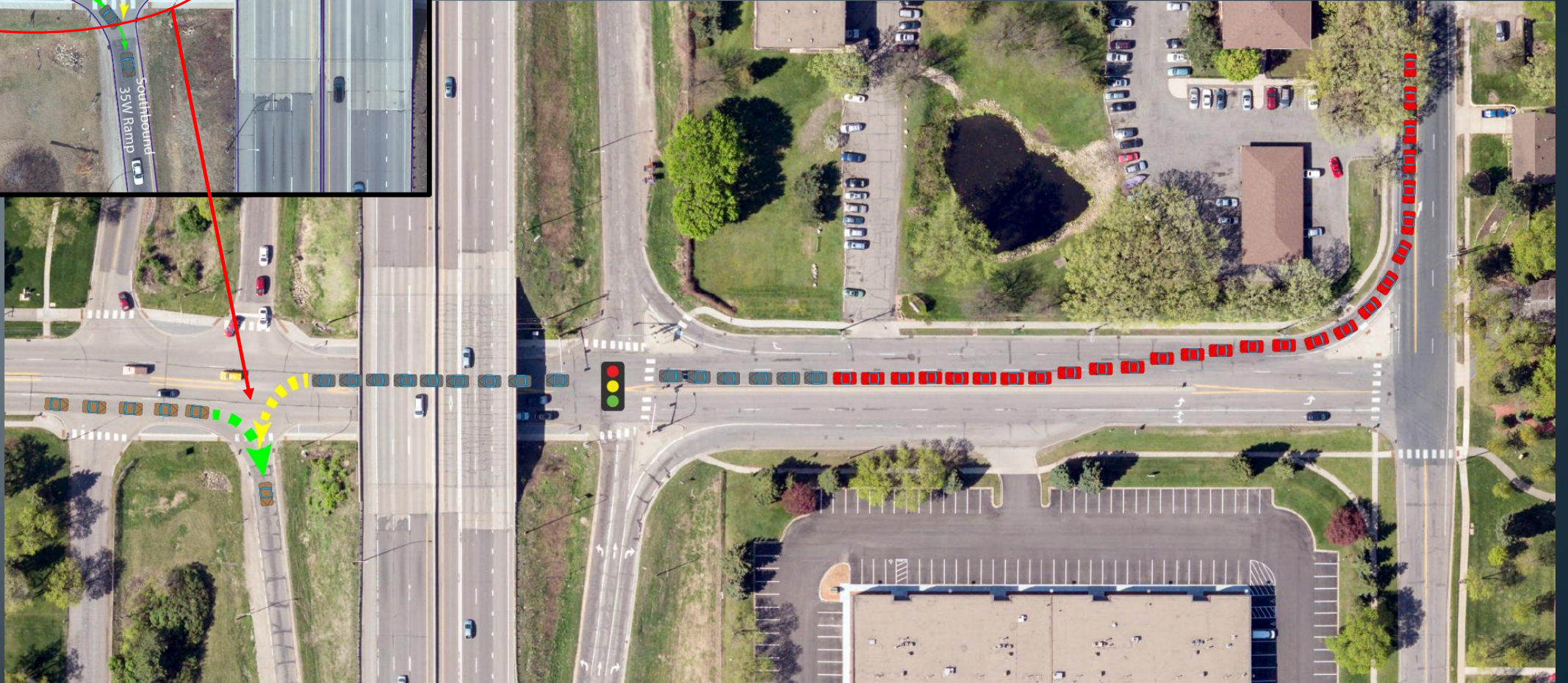
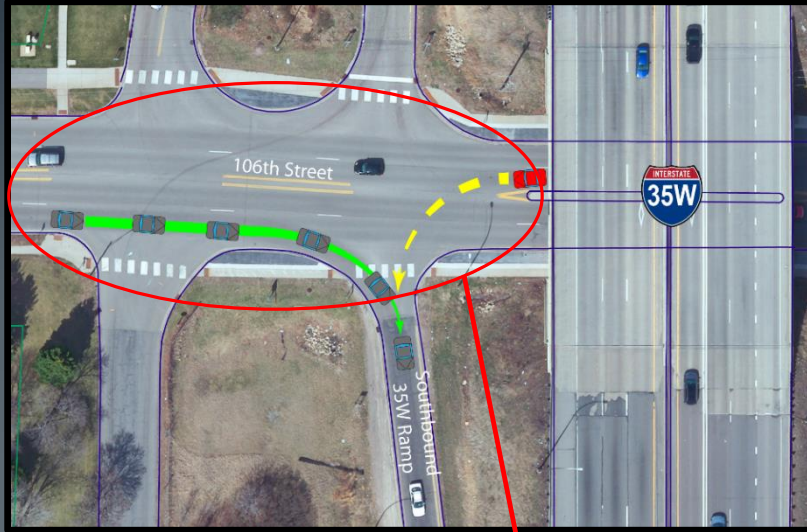
Alternative Ideas – Ramp Meters



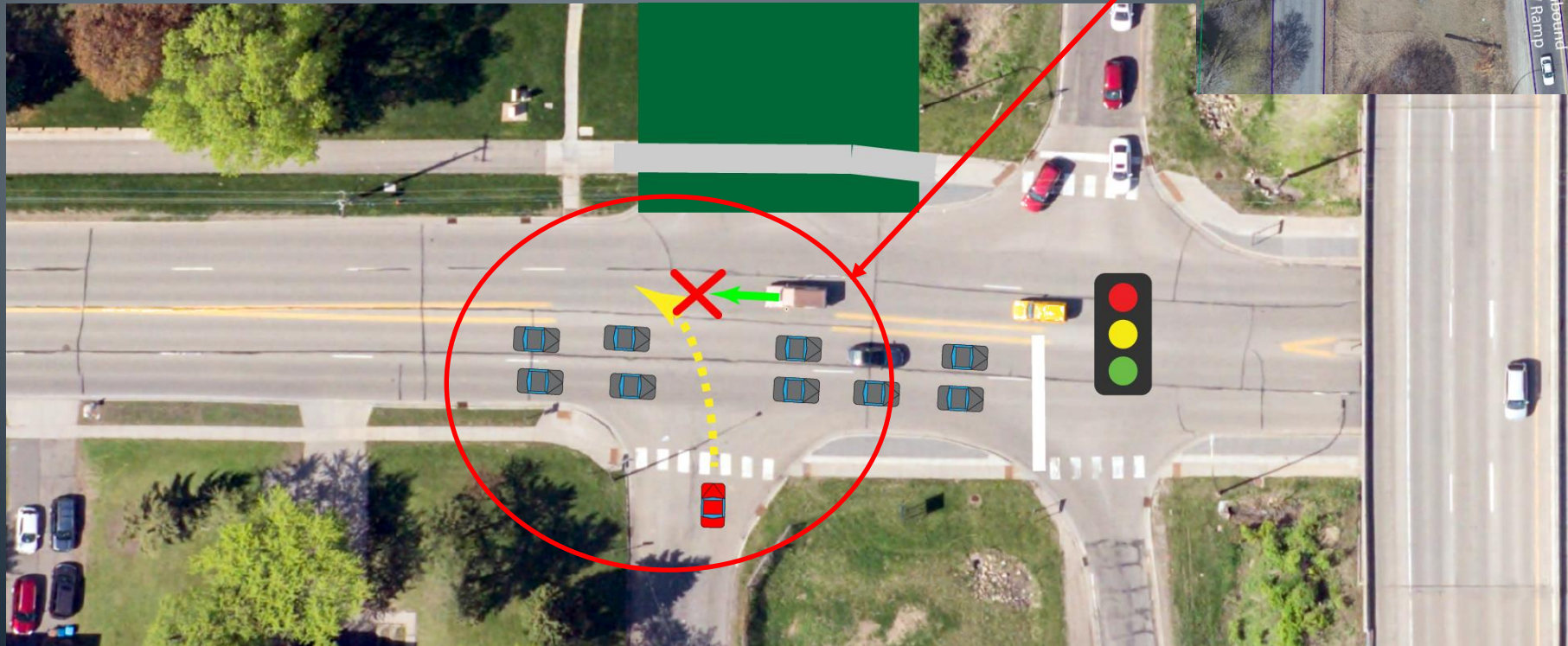
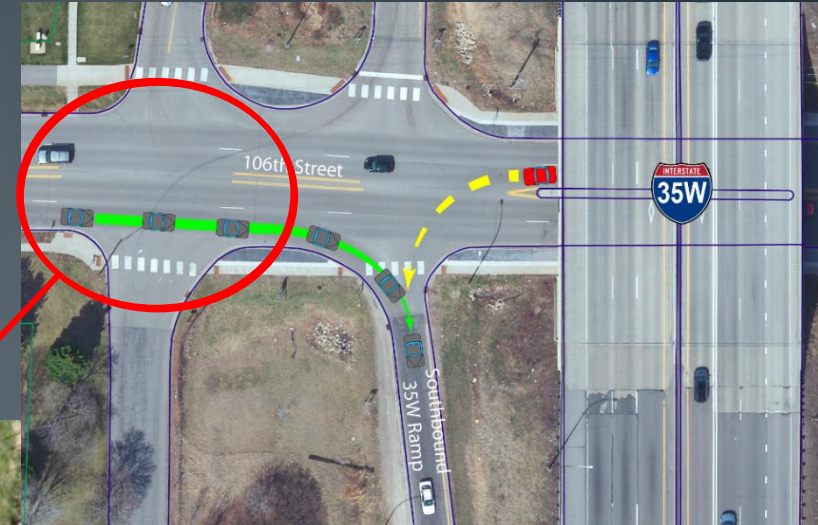
Alternative Ideas – Move Ramps



Alternative Ideas – Don't provide concurrent turns onto ramp

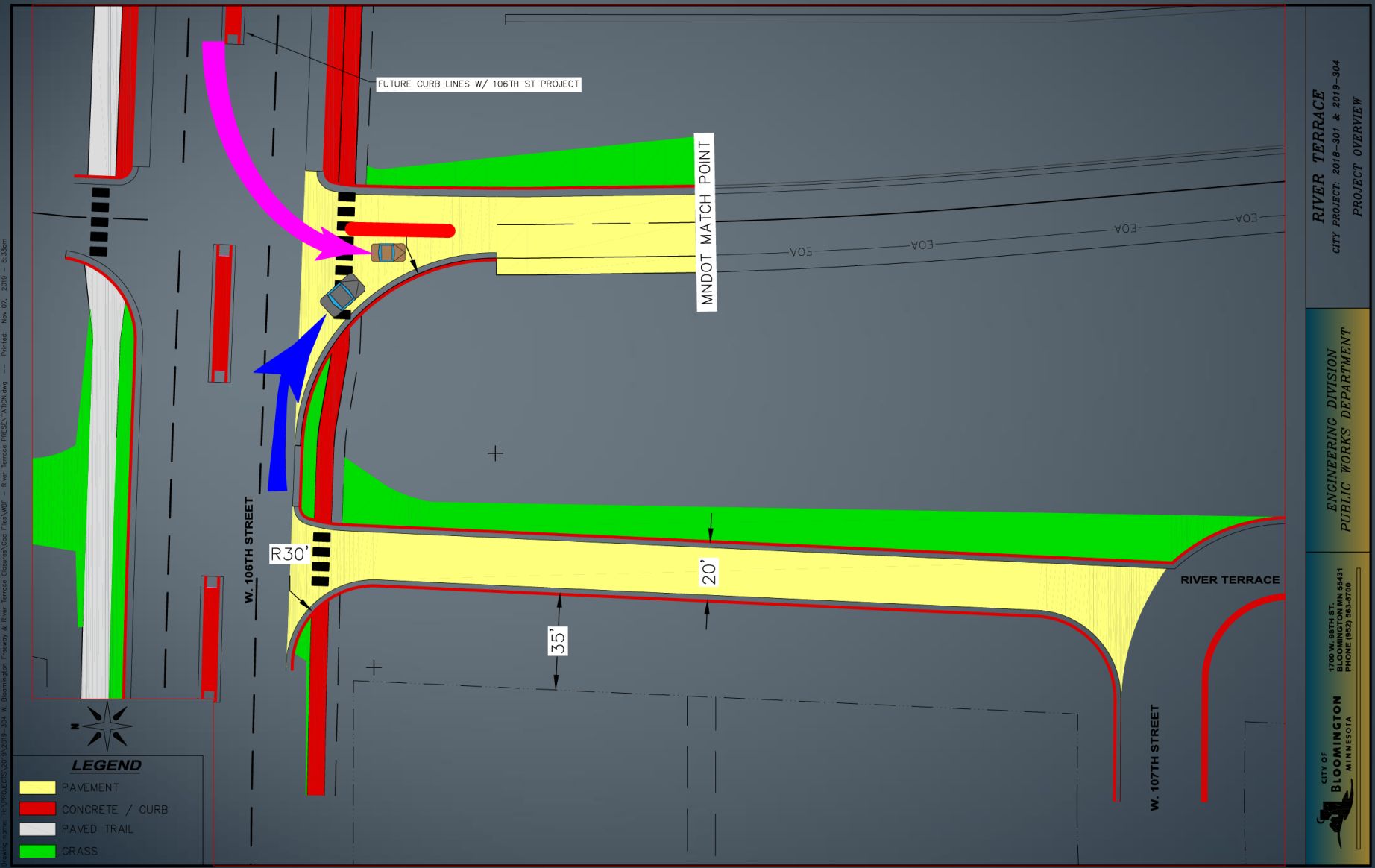


Alternative Ideas – Don't provide concurrent turns on to ramp





Alternative Ideas – Allow concurrent turns with narrow island



Summary & Recommendations:

- Unable to provide safety improvements, congestion reduction and address future needs at interchange with current close proximity of River Terrace

Recommend:

- 1) Close River Terrace between 106th and 107th Streets (Summer 2020)
- 2) Implement recommended interchange design (106th Street reconstruction, 2021)